

Chesterfield Fire Department

Fire Sprinkler Underground Piping

Minimum Information Required With Application

PROJECT:

PERMIT #:

A minimum of **four copies** of shop drawing, and submittal data shall be provided with permit application permitting evaluation of the system **PRIOR TO** installation.

- " Detail sketch of vault showing compliance with **Chesterfield County's Water and Sewer Specifications and Procedures** manual.
 - FIR-2 detail for 2" and smaller
 - FIR-3 detail for 3" and larger
- " Routing and number of electrical conduits from building to vault (low voltage fire alarm cable can not be run in common conduit with power supply wiring for sump pump).
- " Method of maintaining vault free of standing water to include drain line to storm sewer, mechanical sump pump, or engineered drain field as applicable.
- " Point of connection and location of Fire Department Connection (FDC).
- " Location of nearest fire hydrant (within 50' of FDC).
- " Detail sketch of fire protection underground piping from vault to 1' Above Finished Floor.
- " Show minimum depth of bury for underground piping (42")
- " Location and minimum size for **ALL** thrust blocks, rodding, and restraint devices.
- " Method of providing corrosion protection for rods, clamps, nuts, and other restraining devices.
- " Stub-up detail(s) for underground piping from 5' outside of building to sprinkler system flange, indicating method of transition between different material types, to include connections and restraint devices.

- " Manufacturers data sheets for the following:
 - " Back flow prevention devices to include OS&Y valves.
 - " Tamper switches as required
 - " Post indicator valves as required
 - " Ball drip assembly for FDC
 - " Sump pump as required
 - " Vault doors
 - " Pipe penetration seals at vault (flexible)
 - " Fire department connection two 2 ½" NST hose connections
 - " All pipes fittings and restraint devices